

1 (Amended). A surgical targeting system for adding an indicia image to a radiographic image of a body resulting from passage of image radiation through the body, said targeting system comprising:

5 an antimicrobial drape having an inner surface of sufficient flexibility to conform to at least a portion of an outer surface of the body, said drape being puncturable to provide access to the outer surface of the body, said drape being transparent to the imaging radiation;

10 an indicia affixed to a portion of said drape, said indicia being opaque to the imaging radiation resulting in the indicia image corresponding to said indicia; and

15 a means for fixing said [indicia relative] drape to the outer surface of the body such that said indicia provides a reference on the body for correlating portions of the body to the radiographic body image, said drape being sufficiently pliable so that, when said drape is fixed to the outer surface of the body, said drape is puncturable to form an opening therein through which surgery can be performed on the body, said pliability of said drape being sufficient to provide for increasing the size of said opening in said drape during the surgery.

20

11 (Amended). A system for providing a sterile field around an elongate body comprising:

5 an antimicrobial drape having a cylindrical portion and an end portion connected to and closing one end of said cylindrical portion, said end portion being hemispherical, said drape having sufficient flexibility to conform to at least a portion of an outer surface of the elongate body, said drape being puncturable to provide access to the outer surface of the body; and

10 means for fixing said drape to the outer surface of the body, said drape and fixing means being sterile to provide a

sterile field around the outer surface of the body accessed by puncturing of said drape, said drape being sufficiently pliable so that, when said drape is fixed to the outer surface of the body, said drape is puncturable to form an opening therein through which surgery can be performed on the body, said pliability of said drape being sufficient to provide for increasing the size of said opening in said drape during the surgery.

14 (Amended). [The] A system for providing a sterile field [system of claim 11] around an elongate body comprising:

an antimicrobial drape having a cylindrical portion and an end portion connected to and closing one end of said cylindrical portion, said end portion being hemispherical, said drape having sufficient flexibility to conform to at least a portion of an outer surface of the elongate body, said drape being puncturable to provide access to the outer surface of the body; and

means for fixing said drape to the outer surface of the body, said drape and fixing means being sterile to provide a sterile field around the outer surface of the body accessed by puncturing of said drape wherein said fixing means comprises forming said drape of expandable material and sizing said drape to have an internal volume which is less than the volume of the elongate body enabling said drape to be shrink-fitted onto the body.

16 (Amended). A system for providing a sterile field around a conical body comprising:

a conical antimicrobial drape having sufficient flexibility to conform to at least a portion of an outer surface of the elongate body, said drape being puncturable to provide access to the outer surface of the body; and

means for fixing said drape to the outer surface of the

body, said drape and fixing means being sterile to provide a sterile field around the outer surface of the body accessed by puncturing of said drape, said drape being sufficiently pliable so that, when said drape is fixed to the outer surface of the body, said drape is puncturable to form an opening therein through which surgery can be performed on the body, said pliability of said drape being sufficient to provide for increasing the size of said opening in said drape during the surgery.

19 (Amended). [The] A system for providing a sterile field [system of claim 16] around a conical body comprising:

a conical antimicrobial drape having sufficient flexibility to conform to at least a portion of an outer surface of the elongate body, said drape being puncturable to provide access to the outer surface of the body; and

means for fixing said drape to the outer surface of the body, said drape and fixing means being sterile to provide a sterile field around the outer surface of the body accessed by puncturing of said drape wherein said drape has a radial cutout having a base which coincides with a peripheral edge of said drape.

22 (Amended). A method for correlating a selected portion of a body to a radiographic image of the body for treatment of the body, said method comprising the steps of:

applying a radio-transparent drape having radio-opaque indicia to the body;

fixing said drape and indicia to the body;

directing imaging radiation through said drape and indicia such that a radiographic image of said body and indicia is formed on a medium;

referencing on the radiographic image the selected portion

of the body relative to the indicia;

locating the selected portion of the body by referencing the body relative to the indicia on the drape in a manner corresponding to said referencing of the radiographic image;

15 [and]

puncturing the drape to [access the body for treatment thereof] form an opening therein;

surgically operating on the body through the opening in the drape; and

20 increasing the size of the opening in the drape during said surgically operating step.

26 (Amended). A method for correlating a selected portion of a body to a radiographic image of the body for treatment of the body, said method comprising the steps of:

5 applying a radio-transparent drape having radio-opaque indicia to the body;

fixing said drape and indicia to the body;

directing imaging radiation through said drape such that a radiographic image of said body and indicia is formed on a medium;

10 referencing on the radiographic image the selected portion of the body relative to the indicia;

puncturing the drape to form an opening therein;

surgically operating on the body through the opening in the drape;

15 increasing the size of the opening in the drape during said surgically operating step; and

locating the selected portion of the body by referencing the body relative to the indicia on the drape in a manner corresponding to said referencing of the radiographic image [;

20 and

surgically operating on the body contemporaneously with said

locating step].

27 (Amended). A method for correlating a selected portion of a body to a radiographic image of the body for treatment of the body, said method comprising the steps of:

5 applying a radio-transparent drape having radio-opaque indicia to the body such that portions of the drape define at least two surfaces inclined relative to one another;

fixing said drape and indicia to the body;

10 directing imaging radiation through said drape such that a radiographic image of said body and indicia is formed on a medium;

15 referencing on the radiographic image the selected portion of the body relative to the indicia, said referencing step further comprising identifying on the radiographic image respective indicia on the inclined two surfaces, said respective indicia being intersected by an axis coinciding with a selected direction through the body, said referencing step further comprising identifying on the radiographic image indicia on one of the inclined two surfaces coinciding with the depth of the selected direction relative to the other of the [inclind]

20 inclined two surfaces;

puncturing the drape to form an opening therein;

surgically operating on the body through the opening in the drape;

25 increasing the size of the opening in the drape during said surgically operating step; and

30 locating the selected portion of the body by referencing the body relative to the indicia on the drape in a manner corresponding to said referencing step of the radiographic image, said locating step comprising identifying the selected direction and depth through the body by referencing the body relative to the indicia on the drape identified in said referencing step of